

Power supplies, single-phase

Description

The compact regulated power supplies in LOGO! design are primary switched-mode devices, which offer high efficiency, safe electrical isolation (SELV) and low weight.



They provide a single-phase connection with a wide input voltage range for worldwide use and variable output voltage.

Different versions are available depending on the output current and output voltage required.

Power supplies offer:

- Single-phase connection with wide input voltage range.
- Adjustable output voltage.
- Green LED indication for output voltage.
- Can be snapped on DIN rail.
- Radio interference suppression, class B.
- Ambient temperature -20°C to +55°C.

Selection and ordering data

	Design	Input voltage, rated value U_e Rated	Output voltage, rated value U_a Rated	Current, rated value I_a Rated	Dimensions (W x H x D) mm	Order no. PG 400	Price 1 unit	Weight approx. kg
	5 V power supplies							
Enclosure 54 mm wide	3 A	AC 100 V–240 V (85 V ... 264 V)	DC 5 V ±3%	3 A	54 x 90 x 55	6EP1 311-1SH02		0.2
	6.3 A	AC 100 V–240 V (85 V ... 264 V)	DC 5 V ±3%	6.3 A	72 x 90 x 55	6EP1 311-1SH12		0.3
	12 V power supplies							
	1.9 A	AC 100 V–240 V (85 V ... 264 V)	DC 12 V ±3%	1.9 A	54 x 90 x 55	6EP1 321-1SH02		0.2
	4.5 A	AC 100 V–240 V (85 V ... 264 V)	DC 12 V ±3%	4.5 A	72 x 90 x 55	6EP1 322-1SH02		0.3
	15 V power supplies							
Enclosure 72 mm wide	1.9 A	AC 100 V–240 V (85 V ... 264 V)	DC 15 V ±3%	1.85 A	54 x 90 x 55	6EP1 351-1SH02		0.2
	4 A	AC 100 V–240 V (85 V ... 264 V)	DC 15 V ±3%	4 A	72 x 90 x 55	6EP1 352-1SH02		0.3
	24 V power supplies							
	1.3 A	AC 100 V–240 V (85 V ... 264 V)	DC 24 V ±3%	1.3 A	54 x 90 x 55	6EP1 331-1SH02		0.2
	2.5 A	AC 100 V–240 V (85 V ... 264 V)	DC 24 V ±3%	2.5 A	72 x 90 x 55	6EP1 332-1SH42		0.3

Further information is provided in catalogue KT 10.1.

Description

SITOP power primary switched power supplies offer high efficiency, safe electrical isolation (SELV) and low weight.

Different versions are available depending on the output current and application required.






Power supplies with single-phase connection

for worldwide use, LED status display, adjustable output voltage (approx. 22.8 V to 26.4 V), can be snapped on DIN rail.

Power supplies with

- radio interference suppression class B,
- ambient temperature 0 °C to +60 °C.

Selection and ordering data

	Design	Input voltage, rated value U_e Rated	Output voltage, rated value U_a Rated	Current, rated value I_a Rated	Dimensions (W x H x D) mm	Order No. PG 400	Price 1 unit	Weight approx. kg
6EP1 731-2BA00, 6EP1 331-2BA10	24 V power supplies							
	* 0.375 A	DC 48 V - 220 V (DC 30 V ... 264 V/ AC 30 V ... 187 V)	DC 24 V ±2%	0.375 A	22.5 x 80 x 91	6EP1 731-2BA00		0.2
	* 0.5 A	AC 120 V - 230 V (AC 93 V ... 264 V)	DC 24 V ±2%	0.5 A	22.5 x 80 x 91	6EP1 331-2BA10		0.2
6EP1 331-2BA00	Limitation of input current harmonics according to EN 61 000-3-2.							
	2 A	AC 120/230 V (93 V ... 132 V/ 187 V ... 264 V)	DC 24 V ±3%	2 A	50 x 125 x 125	6EP1 331-2BA00		0.38
6EP1 333-2.A00	Limitation of input current harmonics according to EN 61 000-3-2							
	5 A	AC 120/230 V (93 V ... 132 V/ 187 V ... 264 V)	DC 24 V ±3%	5 A	75 x 125 x 125	6EP1 333-2BA00		0.75
	5 A	AC 120/230 V (93 V ... 132 V/ 187 V ... 264 V)	DC 24 V ±3%	5 A	75 x 125 x 125	6EP1 333-2AA00		0.57
6EP1 334-2.A00	Limitation of input current harmonics according to EN 61 000-3-2							
	10 A	AC 120/230 V (85 V ... 132 V/ 187 V ... 264 V)	DC 24 V ±3%	10 A	100 x 125 x 135	6EP1 334-2BA00		1.08
	10 A	AC 120/230 V (85 V ... 132 V/ 187 V ... 264 V)	DC 24 V ±3%	10 A	100 x 125 x 135	6EP1 334-2AA00		0.78
6EP1 334-2CA00	Deg. of protection IP 65, adapted to ET 200X; Wall mounting radio interference suppression class A, ambient temperature -20°C to 55°C							
	10 A	AC 120/230 V (93 V ... 132 V/ 187 V ... 264 V)	DC 24 V ±3%	10 A	140 x 270 x 126	6EP1 334-2CA00		1.7
6EP1 336-2BA00	Limitation of input current harmonics according to EN 61 000-3-2							
	20 A	AC 120/230 V (93 V ... 132 V/ 187 V ... 264 V)	DC 24 V ±3%	20 A	280 x 125 x 92	6EP1 336-2BA00		2
6EP1 353-2BA00	3 V to 52 V power supply							
	Limitation of input current harmonics according to EN 61 000-3-2, adjustable output voltage 3 V – 52 V, output max. 10 A or 120 W							
	max. 10 A or 120 W	AC 120/230 V (85 V ... 132 V/ 170 V ... 264 V)	DC 3 V – 52 V ± 1%	10 A	75 x 125 x 125	6EP1 353-2BA00		0.9

* without adjustable output voltage.

Further information is provided in catalogue KT 10.1.



Power supplies, single-phase and 3-phase

Description

Modular power supplies with extra modules

Basis of the modular concept is a complete line of 24V power supplies from 5A up to 40A.

- compact design
- adjustable output voltage up to 28.8V.
- 3 LED operating indications
- Selectable reaction to short circuit: constant current or shutdown with storage.
- Possible to use in parallel connection.

- DIN rail mounting.
- 5A, 10A, 20A and 40A devices can be used for single-phase (L1 and N) and for 3-phase applications by using 2 hot wires only within the provided input voltage range capability.
- Two extra modules offer additional functions. The signal module can be snapped onto the basic device from the side. Offers floating signal contacts ("output voltage o.k.

and "ready for operation o.k."). With signal input for remote ON/OFF of the basic device.

The buffer module bypasses power interruptions in the msec range. 100 msec at 40 A, 800 msec at 5 A, up to max. of 3 sec at low load current, DIN rail mounting at any location in the switching cabinet.









Power supplies fulfill:

- Radio interference suppression, class B.
- Restriction of the input current harmonic waves in acc. w. EN 61 000-3-2 (except 6EP1337-3BA00).

Power supplies and add-on modules with:

- Ambient temperature 0 °C +60 °C.

Selection and ordering data

Design	Input voltage, rated value U_e Rated	Output voltage, rated value U_a Rated	Current, rated value I_a Rated	Dimensions (W x H x D) mm	Order No. PG 400	Price 1 unit	Weight approx. kg
24 V power supplies, single-phase (L1 and N or L1 and L2)							
 6EP1 333-3BA00	5 A <small>NEW</small>	AC 120/230 V - 500 V (85 V ... 132 V/176 V ... 550 V)	DC 24 V ±3%	5 A	70 x 125 x 125	6EP1 333-3BA00	1.2
 6EP1 334-3BA00	10 A <small>NEW</small>	AC 120/230 V - 500 V (85 V ... 132 V/176 V ... 550 V)	DC 24 V ±3%	10 A	90 x 125 x 125	6EP1 334-3BA00	1.4
 6EP1 336-3BA00	20 A <small>NEW</small>	AC 120/230 V (85 V ... 132 V/176 V ... 264 V)	DC 24 V ±3%	20 A	160 x 125 x 125	6EP1 336-3BA00	2.2
 6EP1 337-3BA00	40 A <small>NEW</small>	AC 120/230 V (85 V ... 132 V/176 V ... 264 V)	DC 24 V ±3%	40 A	240 x 125 x 125	6EP1 337-3BA00	2.9
24 V power supplies, three-phase							
 6EP1 436-3BA00	20 A	3 AC 400 V - 500 V (320 V ... 550 V)	DC 24 V ±3%	20 A	160x 125 x 125	6EP1 436-3BA00	2.0
 6EP1 437-3BA00	40 A	AC 400 V ... 500 V (320 V ... 550 V)	DC 24 V ±3%	40 A	240 x 125 x 125	6EP1 437-3BA00	3.2
Add on modules							
 6EP1 961-3BA10	Signal module				25 x 125 x 125	6EP1 961-3BA10	0.2
 6EP1 961-3BA00	Buffer module	DC 24 V	DC 24 V ±3%	40 A	70 x 125 x 125	6EP1 961-3BA00	1.0


Diagnosis module

Description

This module should be used for all switched mode power supplies if selectivity is required. The diagnosis module can monitor the load current in up to 4 current circuits per module individually and shuts down the affected circuit in case of any overloads or short circuits. The diagnosis module is able to react before the electronic short circuit protection of the power supply shuts down DC 24 V completely.

- nominal current is adjustable from 2 A up to 10 A
- LED indication
- total signal contact
- DIN rail mounting

Selection and ordering data

Design	Input voltage, rated value U_e Rated	Output voltage, rated value U_a Rated	Current, rated value I_a Rated	Dimensions (W x H x D) mm	Order No. PG 400	Price 1 unit	Weight approx. kg
 6EP1 961-2BA00							
Diagnosis module SITOP select							
4 circuits	DC 24 V	DC 23.5 V	2-10 A	72 x 90 x 90	6EP1 961-2BA00		0.4

Further information is provided in catalogue KT 10.1.

Description

UPS DC 24 V

The combination of the DC UPS module with at least one battery module and a SITOP power

supply offers perfect protection against interruptions in the event of longer power failures.



DC UPS modules with



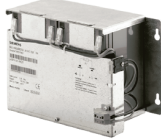

- radio interference suppression class B.
- ambient temperature 0 °C to +60 °C.

Battery modules

- 2.5 Ah: ambient temperature -40 °C to +60 °C.
- 3.2 Ah to 12 Ah: ambient temperature +5 °C to +40 °C.

Selection and ordering data

Design	Input voltage, rated value U_e Rated	Output voltage, rated value U_a Rated	Current, rated value I_a Rated	Dimensions (W x H x D) mm	Order No. PG 400	Price 1 unit	Weight approx. kg
DC UPS modules							
6EP1 931-2EC.1 	15 A	DC 24 V (22 V ... 27.5 V)	DC 24 V (Mains operation: 22 V ... 27.5 V, battery operation: 27.0 V ... 18.5 V)	15 A	75 x 125 x 125	6EP1 931-2EC01	0.4
						6EP1 931-2EC11	0.4
6EP1 931-2FC01 	40 A	DC 24 V (23.5 V ... 26 V)	DC 24 V (Mains operation: 23.5 V ... 26 V, battery operation: 27.3 V ... 18.5 V)	40 A	220 x 130 x 65	6EP1 931-2FC01	1.2

Design	Charging voltage at +25 °C U_{Charge}	Output voltage, rated value U_a Rated	Dimensions (W x H x D) mm	Order No. PG 400	Price 1 unit	Weight approx. kg
Battery modules						
For DC UPS modules 15 A						
6EP1 935-6MD31 	2.5 Ah/ High temperature battery	DC 27.7 V	DC 24 V (Charging voltage: 27.7 V, excessive discharge protection: 18.5 V)	265 x 151 x 91	6EP1 935-6MD31	3.8
6EP1 935-6MD11 	3.2 Ah	DC 27.0 V	DC 24 V (Charging voltage: 27.0 V, excessive discharge protection: 18.5 V)	190 x 151 x 82	6EP1 935-6MD11	3.2
For DC UPS modules 15 A and 40 A						
6EP1 935-6ME21 	7 Ah	DC 27.0 V	DC 24 V (Charging voltage: 27.0 V, excessive discharge protection: 18.5 V)	186 x 168 x 121	6EP1 935-6ME21	6
6EP1 935-6MF01 	12 Ah	DC 27.0 V	DC 24 V (Charging voltage: 27.0 V, excessive discharge protection: 18.5 V)	253 x 118 x 121	6EP1 935-6MF01	9

Further information is provided in catalogue KT 10.1.